

California Air Resources Board Greenhouse Gas Quantification Methodology for CalRecycle Funding

Fiscal Year 2015-16

Emission Factors

- Recycling Emission Reduction Factors (RERFs)
- Compost Emission Reduction Factors (CERFs)
- Low Carbon Fuel Standard (LCFS) Regulation Pathways
- Food Rescue Emission Reduction Factor
- Transportation Emissions

Major Updates

- Use of updated LCFS pathways, revised factors, and mattress and box spring study
- Standardized factors for high solid anaerobic digestion projects
- Removal of GHG benefits from compost to agricultural and working lands from the GHG accounting boundary
- Avoided landfill emissions assumptions

Major Updates

- Exclusion of biogenic CO₂ emissions
- Food waste prevention source reduction
- Standardized emission reduction factor for transportation of diverted material
- Guidelines for reporting after funding
- Additional definitions and clarity in the calculator tool

Project Types Accepted

- Support the expansion of the waste management infrastructure
- Funded projects will increase quantity of newly diverted materials from:
 - CA generated green waste, food material or alternative daily cover to be composted or digested
 - CA generated fiber (paper, textiles, carpet, wood), plastic, glass made into products
- Tools must estimate the net GHG emission reductions associated with:
 - Manufacturing
 - Composting
 - High solid anaerobic digestion
 - Low solid anaerobic digestion
 - Food waste prevention

Project Effectiveness Assessment

$$\frac{\text{Total Project GHG Emission Reductions in Metric Tons of CO}_2\text{e}}{\text{GGRF Funds Requested (\$)}}$$

Public Comments

Send public comments by April 22, 2016 to

GGRFProgram@arb.ca.gov

For more information and to access the final version visit:

<http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>

Recommended Task Force Comments

- We recommend that an effort is made to properly account for recycled products shipped to foreign countries or other states that do not implement applicable regulations at least equivalent to those in California.
- We recommend that the emission reduction factor for anaerobic digestion projects consider pipeline injection.